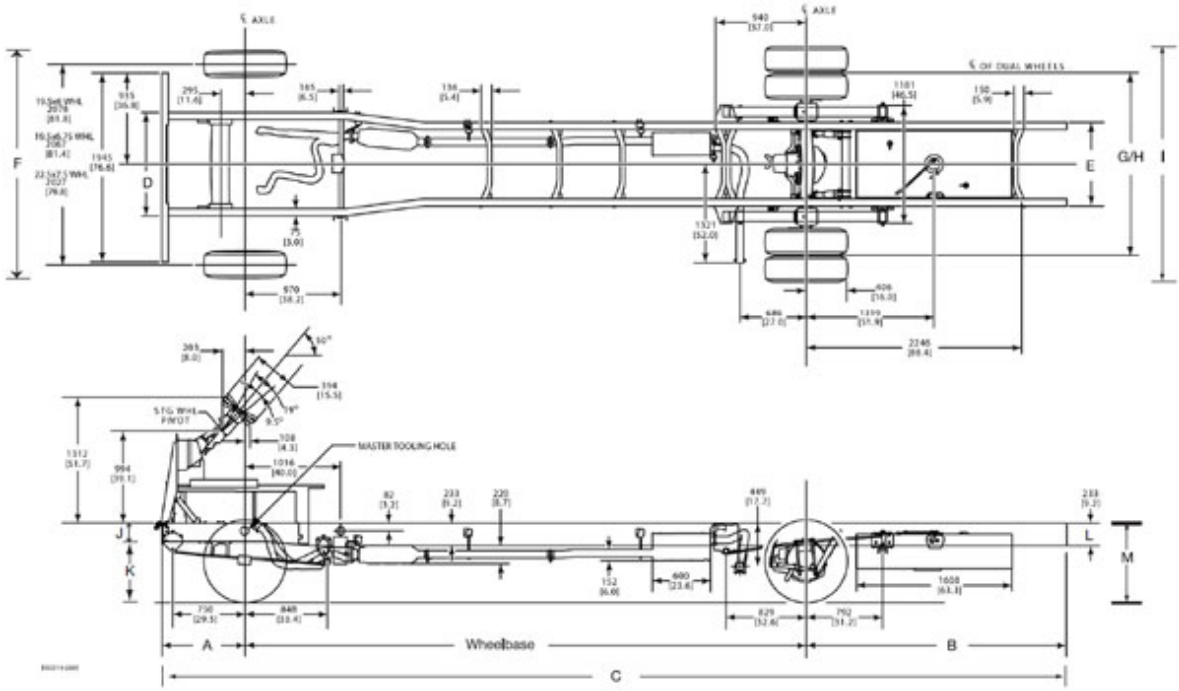
# F53 & F59 Specifications

# Dimensions








| GVWR (lbs.) | | 16,000 | 16,000 | 16,000 | 18,000 | 18,000 | 18,000 | 18,000 | 20,500 | 20,500 |
|---|---|---|---|---|---|---|---|---|---|---|
| Wheelbase (in.) | | 158.3 | 178.3 | 190.3 | 178.2 | 190.2 | 208.2 | 228.2 | 208.1 | 228.1 |
| Code | Description (in.) | | | | | | | | | |
| A | Front Overhang | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 |
| B | Rear Overhang | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 |
| C | Overall Length | 300.1 | 320.1 | 332.1 | 320.1 | 332.1 | 350.1 | 360.1 | 350.1 | 360.1 |
| D | Front Frame Width | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| E | Rear Frame Width | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| F | Tire Outside Width (Front) | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| G | Tire Outside Width (Rear Inner) | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| H | Tire Center Width (Rear) | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| I | Tire Outside Width (Rear Outer) | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| J | Frame Front Section Height | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| K | Frame Height @ Front Wheel | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| L | Frame Rear Section Height | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 |
| M | Frame Height @ Rear Axle | 31.6 | 31.6 | 31.6 | 30.8 | 30.8 | 30.8 | 30.8 | 31.1 | 31.1 |

| GVWR (lbs.) | | 22,000 | 22,000 | 22,000 | 24,000 | 24,000 | 26,000 | 26,000 |
|---|---|---|---|---|---|---|---|---|
| Wheelbase (in.) | | 208.3 | 228.3 | 242.3 | 242.3 | 252.3 | 242.3 | 252.3 |
| Code | Description (in.) | | | | | | | |
| A | Front Overhang | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 |
| B | Rear Overhang | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 |
| C | Overall Length | 350.1 | 360.1 | 374.1 | 374.1 | 384.1 | 374.1 | 384.1 |
| D | Front Frame Width | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| E | Rear Frame Width | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| F | Tire Outside Width (Front) | 90.7 | 90.7 | 90.7 | 92.6 | 92.6 | 92.6 | 92.6 |
| G | Tire Outside Width (Rear Inner) | 70.3 | 70.3 | 70.3 | 70.2 | 70.2 | 70.2 | 70.2 |
| H | Tire Center Width (Rear) | 73.3 | 73.3 | 73.3 | 71.9 | 71.9 | 71.9 | 71.9 |
| I | Tire Outside Width (Rear Outer) | 95.0 | 95.0 | 95.0 | 95.2 | 95.2 | 95.2 | 95.2 |
| J | Frame Front Section Height | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| K | Frame Height @ Front Wheel | 30.5 | 30.5 | 30.5 | 31.2 | 31.2 | 31.2 | 31.2 |
| L | Frame Rear Section Height | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 |
| M | Frame Height @ Rear Axle | 34.1 | 34.1 | 34.1 | 35.2 | 35.2 | 35.2 | 35.2 |

| GVWR (lbs.) | | 24,000 | 26,000 |
|---|---|---|---|
| Wheelbase (in.) | | 228.0 | 228.0 |
| Code | Description (in.) | | |
| A | Front Overhang | 36.3 | 36.3 |
| B | Rear Overhang | 105.8 | 105.8 |
| C | Overall Length | 360.1 | 360.1 |
| D | Front Frame Width | 41.9 | 41.9 |
| E | Rear Frame Width | 34.0 | 34.0 |
| F | Tire Outside Width (Front) | 92.6 | 92.6 |
| G | Tire Outside Width (Rear Inner) | 70.2 | 70.2 |
| H | Tire Center Width (Rear) | 71.9 | 71.9 |
| I | Tire Outside Width (Rear Outer) | 95.2 | 95.2 |
| J | Frame Front Section Height | 7.5 | 7.5 |
| | | | |

| | | | |
|---|---|---|---|
| K | Frame Height @ Front Wheel | 31.2 | 31.2 |
| L | Frame Rear Section Height | 9.2 | 9.2 |
| M | Frame Height @ Rear Axle | 35.2 | 35.2 |

(1) Dimensions @ Strip Chassis.

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Weight Ratings



**F53 Class A Motorhome Chassis — GVWR/Payload/GCWR & Trailer Weight/GAWR/Base Curb Weight**

| Drive/WB (in.) | Engine/ Trans. | Maximum GVWR (lbs.) | Maximum Payload (lbs.)(1) | Maximum GCWR/Trailer Weight (lbs.) | GAWR (lbs.) (2) | | Base Curb Weight (lbs.)(3) | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Front | Rear | Front | Rear | Total |
| 4x2 — 158 | 6.8L/Auto | 16,000 | 9690 | 23,000/7000 | 6500 | 11,000 | 3088 | 3219 | 6307 |
| 4x2 — 178 | 6.8L/Auto | 16,000 | 9670 | 23,000/7000 | 6500 | 11,000 | 3109 | 3221 | 6330 |
| | 6.8L/Auto | 18,000 | 11,630 | 23,000/5000 | 7000 | 12,000 | 3122 | 3240 | 6362 |
| 4x2 — 190 | 6.8L/Auto | 16,000 | 9650 | 23,000/7000 | 6500 | 11,000 | 3111 | 3232 | 6343 |
| | 6.8L/Auto | 18,000 | 11,590 | 23,000/5000 | 7000 | 12,000 | 3176 | 3227 | 6403 |
| 4x2 — 208 | 6.8L/Auto | 18,000 | 11,530 | 23,000/5000 | 7000 | 12,000 | 3223 | 3241 | 6464 |
| | 6.8L/Auto | 20,500 | 13,970 | 26,000/5500 | 7000(4) | 13,500 | 3259 | 3271 | 6530 |
| | 6.8L/Auto | 22,000 | 15,300 | 26,000/4000 | 8000 | 15,000 | 3289 | 3410 | 6699 |
| 4x2 — 228 | 6.8L/Auto | 18,000 | 11,460 | 23,000/5000 | 7000 | 12,000 | 3275 | 3257 | 6532 |
| | 6.8L/Auto | 20,500 | 13,900 | 26,000/5500 | 7000(4) | 13,500 | 3311 | 3287 | 6598 |
| | 6.8L/Auto | 22,000 | 15,210 | 26,000/4000 | 8000 | 15,000 | 3348 | 3437 | 6785 |
| | 6.8L/Auto | 24,000 | 16,730 | 30,000/6000 | 9000 | 15,500 | 3500 | 3767 | 7267 |
| | 6.8L/Auto | 26,000 | 18,720 | 30,000/4000 | 9000 | 17,500 | 3500 | 3779 | 7279 |
| 4x2 — 242 | 6.8L/Auto | 22,000 | 15,140 | 26,000/4000 | 8000 | 15,000 | 3390 | 3462 | 6852 |
| | 6.8L/Auto | 24,000 | 16,660 | 30,000/6000 | 9000 | 15,500 | 3542 | 3792 | 7334 |
| | 6.8L/Auto | 26,000 | 18,650 | 30,000/4000 | 9000 | 17,500 | 3542 | 3804 | 7346 |
| 4x2 — 252 | 6.8L/Auto | 24,000 | 16,610 | 30,000/6000 | 9000 | 15,500 | 3555 | 3826 | 7381 |
| | 6.8L/Auto | 26,000 | 18,600 | 30,000/4000 | 9000 | 17,500 | 3572 | 3822 | 7394 |

(1) Load rating represents maximum allowable weight of people, cargo and body equipment and is reduced by optional equipment weight.
(2) Gross axle weight rating is determined by the rated capacity of the minimum component of the axle system (axle, springs, wheels, tires) of a specific vehicle. Front and rear GAWRs will, in all cases, sum to a number equal to or greater than the GVWR for the particular vehicle. Maximum loaded vehicle (including passengers, equipment and payload) cannot exceed the GVW rating or GAWR (front or rear).
(3) Base Curb Weights shown above consider the strip chassis weight with standard equipment, full fuel tank and all other fluids filled to capacity. Optional equipment weights are in pounds as follows: (Front/Total): 19.5" x 6.75" Tires and Wheels (available with 22,000-lb. GVWR only) (-39/-76); Track Bar Heavy-Duty Front Suspension (available with 16,000-lb. GVWR only) (32/32).
(4) Available FGAWR 7500 lbs.

**NOTE:** Refer to Standard Equipment for Standard Powertrain/Chassis Equipment Specifications.

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Standard Powertrain/Chassis Equipment Specifications

2017 F-350/F-450/F-550 Super Duty Chassis Cabs



| | | |
|---|---|---|
| Drive: | | 4x2 |
| **POWERTRAIN:** | | |
| Engine | Application | 50 States |
| | Type | 6.8L V10 (Includes Cooler) |
| Transmission | Type | TorqShift® HD 6-speed with Tow/Haul mode |
| | Speeds | 6-speed Overdrive |
| **AXLES:** | | |
| Front Axle | Type | Forged I-beam |
| | Capacity (Rating @ Ground) | 8000 lbs. with 16,000–22,000-lb. GVWR; 9000 lbs. with 24,000– and 26,000-lb. GVWR |
| | King Pin Angle | 5.5° (16,000-lb., 22,000-lb. GVWR); 6.5° (24,000-lb., 26,000-lb. GVWR) |
| | Caster Angle | 4.6° (16,000-lb., 22,000-lb. GVWR); 4.25° (24,000-lb., 26,000-lb. GVWR) |
| Rear Axle | Type — Full-floating | Full-floating, Dana |
| | Capacity (Rating @ Ground) | 12,000 lbs. with 16,000–18,000-lb. GVWR, 13,500 lbs. with 20,500-lb. GVWR, 15,000 lbs. with 22,000-lb. GVWR, 17,500 lbs. with 24,000–26,000-lb. GVWR |
| | Axle Ratio | 4.30 (16,000-lb. and 18,000-lb. GVWR); 5.38 (20,500-lb. and 22,000-lb. GVWR); 6.17 (24,000-lb. and 26,000-lb. GVWR) |
| **BRAKES:** | | |
| Front/Rear Disc | Type | Dual Piston Pin Slider Calipers, Bolt-on Adapters, Wraparound Tie Bars (Exc. 66 Rear) |
| | Rotor Diameter—Front/Rear | 15.55" (16,000-lb. to 22,000-lb. GVWR) 15.0" (24,000-lb., 26,000-lb. GVWR) |
| Power Assist Unit | Type | Hydro-Boost, 8.19 Boost Ratio (16,000-lb., 18,000-lb. GVWR); Hydro Max, 21.1 Boost Ratio (20,500-lb. to 26,000-lb. GVWR) |
| Anti-lock System | | 4-wheel, 3-sensor/3-channel (16,000-lb., 18,000-lb. GVWR); 4-sensor/4-channel (20,500-lb. to 26,000-lb. GVWR) |
| Parking Brake (Driveline Drum) | | Foot-operated, Hand Release |
| **ELECTRICAL:** | | |

| | | |
|---|---|---|
| Alternator | Rating | 175 Amperes, 2360 Watt(2) |
| Battery | Type | Maintenance-free |
| | Rating | 78 Amp-hr., 750 CCA |
| **EXHAUST SYSTEM:** | Type | L.H. Forward-of-Rear-Axle Exhaust Exit |
| **FUEL TANK:** | Location/Capacity | Aft-of-Rear-Axle (Left-hand Side Fuel Fill)/80.0 Gal. (303.2 L) |
| **STEERING:** | Type | Power, TRW, TAS 40 Gear (Includes Cooler) (16,000-lb.–22,000-lb. GVWR) TAS 55 (24,000-lb. to 26,000-lb. GVWR) |
| | Ratio | 18.4:1 (16,000-lb. to 26,000-lb. GVWR) |
| | Wheel | 17.5" diameter |
| **SUSPENSION:** | | |
| Frame | Type | Ladder-type, Single-channel, 36,000 psi Steel (16,000-lb. to 22,000-lb. GVWR); 50,000 psi Steel (24,000-lb., 26,000-lb. GVWR) |
| | Section Modulus | 9.46 cu. in. |
| Jounce Bumpers | | Front, Variable-rate |
| Springs, Front | Type | Parabolic Leaf Spring, Single-stage, Constant Rate |
| | Rating @ Ground (min.) | Refer to Weight Ratings for usage and ratings |
| Springs, Rear | Type | Parabolic Leaf Spring, Single-stage, Constant Rate |
| | Rating @ Ground (min.) | Refer to Weight Ratings for usage and ratings |
| Shock Absorbers | Gas-pressurized, Front/Rear | Sachs twin-tube |
| Stabilizer Bars | | 38.1 mm Front, 35.7 mm Rear 16,000-lb. to 22,000-lb. GVWR; 38.1 mm Rear 24,000–26,000-lb. GVWR |
| Track Bar | | Front (Standard on 18,000-lb. to 26,000-lb. GVWR; optional on 16,000-lb. GVWR) |
| **TIRES:** | Type | Steel-belted Radial, Highway, BSW |
| | Size | Six, 245/70R19.5G on 16,000-lb., 18,000-lb. GVWR and 20,500-lb. GVWR; six 235/80R22.5G standard on 22,000-lb. GVWR (six 245/70R19.5G optional); six 255/80R22.5G on 24,000-lb. and 26,000-lb. GVWR |
| **WHEELS:** | Type and Size | 19.5" x 6.75" Steel with 16,000-lb.–20,500-lb. GVWR, six, 8-hole Disc, 22.5" x 7.5" with 22,000-lb., 24,000-lb., 26,000-lb. GVWR — Polished Aluminum Front and Outer Rear with Steel Inner Rear(3) |

(1) Includes Electronic Speed Control/Tilt Steering Wheel, Tachometer, 17.5" Black Urethane Steering Wheel, Trailer Tow Prep Wiring and Air Conditioning Prep Package (non-precharged). Shipped with a dunnage box that contains the following: Glove Compartment Bag, Tire Warranty and Warranty Facts Booklet, Incomplete Vehicle and owner manual, Rating Plate, Instrument Cluster, Labels/Decals/Tags, Fuel Filler (Hose, Cap, Pipe Assembly, Support, Vent Hose), Wheel Nut Wrench (with spare tire option only), Horn Pad, Dual Electric Horns and Bracket Assembly, Headlight Switch and Knob Assembly, Daytime Running Light Harness.
(2) 175-amp output based on cold performance at 80° F. Actual output is temperature and application dependent.
(3) No spare tire/wheel included with 22.5" wheels.

**NOTE:** Refer to Weight Ratings for Standard Weight Rating Specifications (GVWR/Payload/GCWR AND Trailer Weight/GAWR/Base Curb Weight).

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Front Axle Specifications

2017 F-350/F-450/F-550 Super Duty Chassis Cabs



| Type | | Forged I-beam | |
|---|---|---|---|
| GVWR (lbs.) | | 16,000/18,000/22,000 | 24,000-26,000 |
| Max. Rating @ Ground (lbs.) | | 8000 | 9000 |
| Axle | Type | Monobeam | |
| | Material | Forged Steel | |
| | Spring Centers (in.) | 41.87 | 38.88 |
| Ball Joint | | Zirked | |
| Spindle | Material | Nodular Cast-iron Body with Forged Steel Stem | |
| Wheel Bearings | Type | Tapered Roller | |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Rear Axle Specifications

2017 F-350/F-450/F-550 Super Duty
Chassis Cabs



| GVWR (lbs.) | | 16,000/18,000 | 20,500 | 22,000 | 24,000/26,000 |
|---|---|---|---|---|---|
| Make (Standard) | | Dana 80 | Dana S110 | Dana S130 | Dana 17060S |
| Max. Rating @ Ground (lbs.) | | 12,000 | 13,500 | 15,000 | 17,500 |
| Type | | Full-floating | | | |
| Driveline Attachment | | 1480 | | | SPL90 |
| Housing | Type | Cast Center | Banjo, Cast Carrier | | |
| | Cover Attachment | Bolted | Welded | | |
| Section | Tube Dia. (in.) | 4.00 | 4.33 x 4.26 | | 5.27 x 4.60 |
| Synthetic Lubricant Capacity (pt.) | | 8.875 | 13.6 | | 32.0 |
| Spring Centers (in.) | | 42.48 | 42.48 | 42.48 | 42.48 |
| Wheel Bearings | Type | Tapered Roller | | | |
| Gears | Type | Hypoid | | | |
| | Material | Alloy Steel | | | |
| Ring Gear | Pitch Dia. (in.) | 11.26 | 12.2 | | 15.4 |
| Pinion | Mounting | Overhung | | | Straddle Mount |
| Differential | Type | 2-pinion | 4-pinion | | |
| Axle Shaft | Spline Minor Dia. (in.) | 1.50 | 1.56 | 1.61 | 1.81 |
| | Spline Major Dia. (in.) | 1.57 | 1.75 | 1.85 | 2.0 |
| | No. of Splines (Hub End) | 37 | 34 | 36 | 39 |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Hydraulic Brake Equipment Specifications — Front/Rear Disc

2017 F-350/F-450/F-550 Super Duty Chassis Cabs



| Type | Axle Usage (lbs.) | Rotor Diameter (in.) | | Brake Lining Segment | Area (sq. in.)/ Width (in.)/ Thickness (in.) | Caliper Piston No. Dia. (in.) | Gross Lining Area per Axle (sq. in.) | Total Swept Area per Axle (sq. in.) |
|---|---|---|---|---|---|---|---|---|
| | | OD | ID | | | | | |
| Front Disc | 8000 | 15.55 | 10.62 | Outboard | 13.9/1.81/0.47 | Dual/2.36 | 55.6 | 361.9 |
| | | | | Inboard | 13.9/1.81/0.47 | | | |
| | 9000 | 15.0 | 10.12 | Outboard | 20.4/2.32/0.74 | Dual/2.87 | 81.6 | 366.6 |
| | | | | Inboard | 20.4/2.32/0.74 | | | |
| Rear Disc | 12,000/13,500/ 15,000 | 15.55 | 10.62 | Outboard | 13.9/1.81/0.47 | Dual/2.36 | 55.6 | 361.9 |
| | | | | Inboard | 13.9/1.81/0.47 | | | |
| | 17,500 | 15.0 | 10.12 | Outboard | 20.4/2.32/0.49 | Dual/2.60 | 81.6 | 366.6 |
| | | | | Inboard | 20.4/2.32/0.49 | | | |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Brake Master Cylinder Specifications

2017 F-350/F-450/F-550 Super Duty Chassis Cabs



| Type | Usage (lbs.) | Bore Dia. (in.) |
|---|---|---|
| Dual System, Dash-mounted | 16,000, 18,000 GVWR | 1.375 |
| | 20,500, 22,000, 24,000, 26,000 GVWR | 2.0 |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Brake Booster Specifications

2017 F-350/F-450/F-550 Super Duty Chassis Cabs



| Make/Type | Usage (lbs.) | Booster Type | Boost Ratio |
|---|---|---|---|
| Dash-mounted | 16,000, 18,000 GVWR | Hydro Boost | 8.19 |
| | 20,500, 22,000, 24,000, 26,000 GVWR | Hydro Max | 21.1 |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Cooling System Specifications

2017 F-350/F-450/F-550 Super Duty Chassis Cabs



| Engine | Cooling | Trans. Usage | Radiator | | | | | | | | Fan Specifications | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Frontal Area (sq. in.) | Core Size (in.) | | | Rows of Tubes | Fins Per Inch | Cooling System Capacity qts. (liters) | In-Tank Trans Cooler | Type | No. of Blades | Blade Dia. (in.) |
| | | | | Height | Width | Thick. | | | | | | | |
| 6.8L (415) 3V SEFI V10 | Std | All | 857 | 28.4 | 30.19 | 1.42 | 1 | 17.8 | 27.5 (26) | Std | Plastic | 8 | 20.0 |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Auxiliary Automatic Transmission Oil Cooler Applications

2017 F-350/F-450/F-550 Super Duty Chassis Cabs



| Engine | Transmission | Cooler — No. of Plates |
|---|---|---|
| 6.8L (415) 3V SEFI V10 | 6-speed Automatic Overdrive | 33 |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Fuel System Data

2017 F-350/F-450/F-550 Super Duty
Chassis Cabs



| | |
|---|---|
| Electronic Fuel Injection | Sequential Multiport Fuel Injection |
| Fuel Pump | Single Electric-in-tank High Pressure |
| Fuel Filter | In-tank Large Capacity (One) |
| Air Cleaner | Dry Element, Replaceable |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Steering Specifications

2017 F-350/F-450/F-550 Super Duty
Chassis Cabs



| Wheelbase (in.) | Power Steering(1) | Turning Diameter (ft.) | | |
|---|---|---|---|---|
| | Gear Ratio | Curb-to-Curb | | |
| | | 16,000–22,000-lb. GVWR w/19.5" wheels | 22,000-lb. GVWR w/22.5" wheels | 24,000–26,000-lb. GVWR w/22.5" wheels |
| 158.0 | 18.4:1 | 45.4 | — | — |
| 178.0 | 18.4:1 | 49.7 | — | — |
| 190.0 | 18.4:1 | 52.2 | — | — |
| 208.0 | 18.4:1 | 56.1 | 63.7 | — |
| 228.0 | 18.4:1 | 60.3 | 68.6 | 60.6 |
| 242.0 | 18.4:1 | 63.3 | 72.0 | 66.8 |
| 252.0 | 18.4:1 | — | — | 69.5 |

(1) Power steering fluid cooler is standard.

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Frame Specifications

2017 F-350/F-450/F-550 Super Duty
Chassis Cabs



| Wheelbase (in.) | No. of Crossmembers | Maximum Side Rail Section (Height x Width x Thickness) (in.)(1) | Section Modulus (cu. in.) | 16K–22K Yield Strength (psi) | 24K–26K Yield Strength (psi) |
|---|---|---|---|---|---|
| 158.0 | 7 | 9.16 x 3.00 x .025 | 9.46 | 36,000 | — |
| 178.0 | 7 | 9.16 x 3.00 x .025 | 9.46 | 36,000 | — |
| 190.0 | 7 | 9.16 x 3.00 x .025 | 9.46 | 36,000 | — |
| 208.0 | 8 | 9.16 x 3.00 x .025 | 9.46 | 36,000 | — |
| 228.0 | 9 | 9.16 x 3.00 x .025 | 9.46 | 36,000 | 50,000 |
| 242.0 | 9 | 9.16 x 3.00 x .025 | 9.46 | 36,000 | 50,000 |
| 252.0 | 9 | 9.16 x 3.00 x .025 | 9.46 | — | 50,000 |

(1) Measured to inside of metal.

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Shock Absorber Specifications

2017 F-350/F-450/F-550 Super Duty
Chassis Cabs



| Type | Usage | Front | | | Rear | | |
|---|---|---|---|---|---|---|---|
| | | No. Used | Piston Dia. (in.) | Type | No. Used | Piston Dia. (in.) | Type |
| Sachs twin-tube | Std. | 2 | 2.20 | Gas-pressurized | 2 | 2.20 | Gas-pressurized |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Spring Specifications — Front Leaf

2017 F-350/F-450/F-550 Super Duty Chassis Cabs



| Combined Rating @ Ground (lbs.) | Number of Leaves | Total Thickness (in.) | Overall Length (in.) | Width (in.) | Deflection Rate(1) (lbs. per in./spring) |
|---|---|---|---|---|---|
| 7000 | 2 | 3.38 | 63.00 | 4.00 | 550 |
| 7500 | 2 | 3.38 | 63.00 | 4.00 | 650 |
| 8000 | 2 | 3.47 | 63.00 | 4.00 | 693 |
| 9000 | 3 | 3.31 | 63.00 | 3.00 | 750 |

(1) Single-stage, constant rate springs.

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Spring Specifications — Rear Leaf

2017 F-350/F-450/F-550 Super Duty Chassis Cabs



| Combined Rating @ Ground (lbs.) | Number of Leaves | Total Thickness (in.) | Overall Length (in.) | Width (in.) | Deflection Rate(1) (lbs. per in./spring) |
|---|---|---|---|---|---|
| 11,000 | 3 | 3.88 (w/Spacer) | 64.00 | 4.00 | 950 |
| 12,000 | 3 | 3.88 (w/Spacer) | 64.00 | 4.00 | 1120 |
| 13,500 | 3 | 2.44 (w/o Spacer) | 64.00 | 4.00 | 1350 |
| 15,000 | 3 | 2.48 (w/o Spacer) | 64.00 | 4.00 | 1350 |
| 15,500 | 4 | 3.31 (w/o Spacer) | 64.00 | 4.00 | 1700 |
| 17,500 | 4 | 3.31 (w/o Spacer) | 64.00 | 4.00 | 1850 |

(1) Single-stage, constant rate springs.

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Tire Specifications

2017 F-350/F-450/F-550 Super Duty
Chassis Cabs



| Size | Tread Type & Sidewall | Tire Manufacturer | Rim Width (in.) | Section Width (in.)(1) | Ply/Load Rating | Inflation Press. (psi) | Load Limits @ Max. Inflation Press. (lbs.) | Static Loaded Radius (in.) | SAE Revolutions per Mile @ 45 mph |
|---|---|---|---|---|---|---|---|---|---|
| 245/70Rx19.5 | Highway-BSW | Goodyear | 6.75 | 9.94 | 12/G | 95(2) | 3890/3655 | 15.30 | 633 |
| 235/80Rx22.5 | Highway-BSW | Michelin | 7.5 | 9.2 | 14/G | 90 | 4140/3765 | 17.40 | 556 |
| 255/80Rx22.5 | Highway-BSW | Michelin | 7.5 | 9.9 | 14/G | 100 | 4975/4525 | 17.90 | 541 |

(1) Tire and rim maximum width.
(2) 16,000–20,500 GVWR = 82 psi, 20,500 GVWR with 7500 FGAWR and 22,000 GVWR = 95 psi.

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Wheel Specifications

2017 F-350/F-450/F-550 Super Duty
Chassis Cabs



| Wheel Type | Wheel Size | Nominal Offset (in.) | No. of Studs | Bolt Circle mm (in.) | Max. Wheel Capacity Load (lbs. @ ground) |
|---|---|---|---|---|---|
| Steel | 19.5" x 6.75" RW | 5.50 | 10 | 225 (8.85) | 4000 |
| Polished Aluminum (Front/Outer Rear) | 22.5" x 7.5" RW | 6.28 | 8 | 275 (10.83) | 7300 |
| Steel (Inner Rear) | 22.5" x 7.5" RW | 6.20 | 8 | 275 (10.83) | 5000 |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Automatic Transmission Specifications

2017 F-350/F-450/F-550 Super Duty Chassis Cabs



| Make/Type | 6-Speed TorqShift Double Overdrive Automatic with Tow/Haul Mode |
|---|---|
| Ratios (to 1): | |
| 1st | 3.97 |
| 2nd | 2.31 |
| 3rd | 1.51 |
| 4th | 1.14 |
| 5th | 0.85 |
| 6th | 0.67 |
| Reverse | 3.12 |
| Converter Torque Ratio @ WOT Stall | 1.86 |
| Fluid Capacity (qts.) | 19.0 |
| Gearset | Spur |
| Oil Cooler | Oil to Air and In-tank |
| Oil Filter | Internal |
| Converter Size & Type | 12" PCM Controlled Clutch Apply |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Dimensions[1]





| Wheelbase (in.) | | 158.3 | 178.2 | 208.3 |
|---|---|---|---|---|
| GVWR (lbs.) | | 16,000 | 16,000 | 19,500 |
| Code | Description (in.) | | | |
| A | Front Overhang | 36.3 | 36.3 | 36.3 |
| B | Rear Overhang | 105.8 | 105.8 | 105.8 |
| C | Overall Length | 300.1 | 320.1 | 350.1 |
| D | Front Frame Width | 41.9 | 41.9 | 41.9 |
| E | Rear Frame Width | 34.0 | 34.0 | 34.0 |
| F | Tire Outside Width (Front) | 90.5 | 90.5 | 90.5 |
| G | Tire Outside Width (Rear Inner) | 72.4 | 72.4 | 72.4 |
| H | Tire Center Width (Rear) | 74.0 | 74.0 | 73.3 |
| I | Tire Outside Width (Rear Outer) | 94.0 | 90.4 | 94.0 |
| J | Frame Front Section Height | 7.5 | 7.5 | 7.5 |
| K | Frame Height @ Front Wheel | 28.3 | 28.3 | 30.5 |
| L | Frame Rear Section Height | 9.2 | 9.2 | 9.2 |
| M | Frame Height @ Rear Axle | 31.6 | 30.8 | 34.1 |

(1) Dimensions @ GVWR.

| Wheelbase (in.) | | 158.3/168.0[2] | 178.3/190.3 | 208.3 | 178.3 |
|---|---|---|---|---|---|
| GVWR (lbs.) | | 19,500 | 19,500 | 22,000 | 22,000 |
| Code | Description (in.) | | | | |
| A | Front Overhang | 36.3 | 36.3 | 36.3 | 36.3 |
| B | Rear Overhang | 105.8 | 105.8 | 105.8 | 105.8 |
| C | Overall Length | 300.1/310.1 | 320.1/332.1 | 350.1 | 320.1 |
| D | Front Frame Width | 41.9 | 41.9 | 41.9 | 41.9 |
| E | Rear Frame Width | 34.0 | 34.0 | 34.0 | 34.0 |
| F | Tire Outside Width (Front) | 90.5 | 90.5 | 91.6 | 90.5 |
| G | Tire Outside Width (Rear Inner) | 72.4 | 72.4 | 72.8 | 72.4 |
| H | Tire Center Width (Rear) | 74.0 | 74.0 | 73.3 | 74.0 |
| I | Tire Outside Width (Rear Outer) | 94.0 | 94.0 | 95.4 | 94.0 |
| J | Frame Front Section Height | 7.5 | 7.5 | 7.5 | 7.5 |

| | | | | | |
|---|---|---|---|---|---|
| K | Frame Height @ Front Wheel | 31.9 | 32.2 | 34.75 | 32.2 |
| L | Frame Rear Section Height | 9.2 | 9.2 | 9.2 | 9.2 |
| M | Frame Height @ Rear Axle | 34.6 | 34.9 | 39.1 | 34.9 |

(1) Dimensions @ Stripped Chassis.
(2) Parcel Delivery Van Package only.

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Weight Ratings





**F59 Commercial Stripped Chassis – GVWR/Payload/GCWR & Trailer Weight/GAWR/Base Curb Weight**

| Drive/WB (in.) | Engine/ Transmission | Maximum GVWR (lbs.) | Maximum Payload (lbs.) (1) | Maximum GCWR/ Trailer Weight (lbs.) | GAWR (lbs) (2) | | Base Curb Weight (lbs.) (3) | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Front | Rear | Front | Rear | Total |
| 4x2 — 158 | 6.8L/Auto | 16,000 | 10,080 | 23,000/7000 | 6500 | 11,000 | 3054 | 2857 | 5911 |
| | 6.8L/Auto | 19,500 | 13,480 | 26,000/6500 | 7000 | 13,500 | 3197 | 2821 | 6018 |
| 4x2 — 168(4) | 6.8L/Auto | 19,500 | 13,470 | 27,200/7700 | 7000 | 13,500 | 3198 | 2828 | 6026 |
| 4x2 — 178 | 6.8L/Auto | 16,000 | 10,050 | 23,000/7000 | 6500 | 11,000 | 3191 | 2754 | 5945 |
| | 6.8L/Auto | 19,500 | 13,460 | 26,000/6500 | 7000 | 13,500 | 3198 | 2835 | 6033 |
| | 6.8L/Auto | 22,000(4) | 15,750 | 26,000/6500 | 8000 | 15000 | 3182 | 3068 | 6250 |
| 4x2 — 190 | 6.8L/Auto | 19,500 | 13,400 | 26,000/6,500 | 7000 | 13,500 | 3209 | 2887 | 6096 |
| 4x2 — 208 | 6.8L/Auto | 19,500 | 13,310 | 26,000/6500 | 7000 | 13,500 | 3227 | 2962 | 6189 |
| | 6.8L/Auto | 22,000 | 15,610 | 26,000/4000 | 8000 | 15,000 | 3276 | 3112 | 6388 |

(1) Load rating represents maximum allowable weight of people, cargo and body equipment and is reduced by optional equipment weight.
(2) Gross axle weight rating is determined by the rated capacity of the minimum component of the axle system (axle, springs, wheels, tires) of a specific vehicle. Front and rear GAWRs will, in all cases, sum to a number equal to or greater than the GVWR for the particular vehicle. Maximum loaded vehicle (including passengers, equipment and payload) cannot exceed the GVW rating or GAWR (front or rear).
(3) Base curb weights shown above consider the strip chassis weight with standard equipment, full fuel tank and all other fluids filled to capacity. Available equipment weights are in pounds as follows: (Front/Total): Pull Out Ramp Prep Package (available with 208" wheelbase only) (50/85)
(4) Parcel Delivery Van Package only.

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Standard Powertrain/Chassis Equipment Specifications

2017 F-350/F-450/F-550 Super Duty Chassis Cabs



| | | |
|---|---|---|
| Drive: | | 4x2 |
| **POWERTRAIN:** | | |
| Engine | Application | 50 States |
| | Type | 6.8L V10 |
| Transmission | Type | TorqShift 6-speed Automatic with Tow/Haul Feature |
| | Speeds | 6-speed Overdrive |
| **AXLES:** | | |
| Front Axle | Type | Forged Steel I-beam |
| | Capacity (Rating @ Ground) | 8000 lbs. |
| | Kingpin Angle | 5.5° |
| | Caster Angle | 4.6° |
| Rear Axle | Type — Full-floating | Full-floating |
| | Capacity (Rating @ Ground) | 12,000 lbs. (16,000-lb. GVWR), 13,500 lbs. (19,500-lb. GVWR) and 15,000 lbs. (22,000-lb. GVWR) |
| | Axle Ratio | 4.30 (16,000-lb. GVWR), 4.88 (19,500-lb. GVWR), 5.38 (22,000-lb. GVWR) |
| **BRAKES:** | | |
| Front/Rear Disc | Type | Dual Piston Pin Slider Calipers, Bolt-on Adaptors, Wraparound Tie Bars |
| | Rotor Diameter—Front/Rear | 15.55" |
| Power Assist Unit | Type | Hydro-Boost (16,000-lb. and 19,500-lb. GVWR); Hydro Max (22,000-lb. GVWR) |
| Anti-lock System | | 4-wheel, 3-sensors/3-channel (16,000-lb. and 19,500-lb. GVWR); 4-wheel, 4-sensors/4-channel (22,000-lb. GVWR) |
| Parking Brake (Driveline Drum) | | Trans-mounted, Foot-operated, Hand Release |
| **ELECTRICAL:** | | |
| Alternator | Rating | 175 Amperes, 2360 Watt |
| Battery | Type | Maintenance-free |
| | Rating | 78 Amp-hr., 750 CCA |
| **EXHAUST SYSTEM:** | Type | L.H. Forward-of-Rear-Axle Exhaust Exit |
| **FUEL TANK:** | Location/Capacity | Aft-of-Rear-Axle (Left-hand Side Fuel Fill)/40-gallon |
| **STEERING:** | Type | Power, TRW, TAS 40 Gear (Includes Cooler) |

| | | |
|---|---|---|
| | Ratio | 18.4:1 |
| | Wheel | 17.5" diameter |
| **SUSPENSION:** | | |
| Frame | Type | Ladder-type, Single-channel, 36,000 psi Steel |
| | Section Modulus | 9.46 cu. in. |
| Jounce Bumpers | | Front, Variable Rate |
| Springs, Front | Type | Parabolic Leaf Spring, Single-stage, Constant Rate |
| | Rating @ Ground (min.) | Refer to page 103 for Usage and Ratings |
| Springs, Rear | Type | Parabolic Leaf Spring, Single-stage, Constant Rate |
| | Rating @ Ground (min.) | Refer to page 103 for Usage and Ratings |
| Shock Absorbers | Type/Size (Dia.) | Gas-pressurized (Front/Rear)/2.20" Sachs Twin-Tube |
| Stabilizer Bars | | 38.1 mm Front/35.7 mm Rear |
| **TIRES:** | Type | Steel-belted Radial, Highway, BSW |
| | Size | Six, 225/70R19.5G (16,000-lb./19,500-lb. GVWR); six 245/70R19.5G (22,000-lb. GVWR) |
| **WHEELS:** | Type and Size | Six, 10-hole Disc, 19.5" x 6.0" (16,000-lb. and 19,500-lb. GVWR); Six, 10-hole Disc, 19.5" x 6.75" (22,000-lb. GVWR) |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Front Axle Specifications

2017 F-350/F-450/F-550 Super Duty
Chassis Cabs



| | | | |
|---|---|---|---|
| Type | | Forged I-beam | |
| GVWR (lbs.) | | 16,000/18,000/22,000 | 24,000-26,000 |
| Max. Rating @ Ground (lbs.) | | 8000 | 9000 |
| Axle | Type | Monobeam | |
| | Material | Forged Steel | |
| | Spring Centers (in.) | 41.87 | 38.88 |
| Ball Joint | | Zirked | |
| Spindle | Material | Nodular Cast-iron Body with Forged Steel Stem | |
| Wheel Bearings | Type | Tapered Roller | |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Rear Axle Specifications

2017 F-350/F-450/F-550 Super Duty
Chassis Cabs



| GVWR (lbs.) | | 16,000/18,000 | 20,500 | 22,000 | 24,000/26,000 |
|---|---|---|---|---|---|
| Make (Standard) | | Dana 80 | Dana S110 | Dana S130 | Dana 17060S |
| Max. Rating @ Ground (lbs.) | | 12,000 | 13,500 | 15,000 | 17,500 |
| Type | | Full-floating | | | |
| Driveline Attachment | | 1480 | | | SPL90 |
| Housing | Type | Cast Center | Banjo, Cast Carrier | | |
| | Cover Attachment | Bolted | Welded | | |
| Section | Tube Dia. (in.) | 4.00 | 4.33 x 4.26 | | 5.27 x 4.60 |
| Synthetic Lubricant Capacity (pt.) | | 8.875 | 13.6 | | 32.0 |
| Spring Centers (in.) | | 42.48 | 42.48 | 42.48 | 42.48 |
| Wheel Bearings | Type | Tapered Roller | | | |
| Gears | Type | Hypoid | | | |
| | Material | Alloy Steel | | | |
| Ring Gear | Pitch Dia. (in.) | 11.26 | 12.2 | | 15.4 |
| Pinion | Mounting | Overhung | | | Straddle Mount |
| Differential | Type | 2-pinion | 4-pinion | | |
| Axle Shaft | Spline Minor Dia. (in.) | 1.50 | 1.56 | 1.61 | 1.81 |
| | Spline Major Dia. (in.) | 1.57 | 1.75 | 1.85 | 2.0 |
| | No. of Splines (Hub End) | 37 | 34 | 36 | 39 |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Hydraulic Brake Equipment Specifications — Front/Rear Disc

2017 F-350/F-450/F-550 Super Duty Chassis Cabs



| Type | Axle Usage (lbs.) | Rotor Diameter (in.) | | Brake Lining Segment | Area (sq. in.)/ Width (in.)/ Thickness (in.) | Caliper Piston No. Dia. (in.) | Gross Lining Area per Axle (sq. in.) | Total Swept Area per Axle (sq. in.) |
|---|---|---|---|---|---|---|---|---|
| | | OD | ID | | | | | |
| Front Disc | 8000 | 15.55 | 10.62 | Outboard | 13.9/1.81/0.47 | Dual/2.36 | 55.6 | 361.9 |
| | | | | Inboard | 13.9/1.81/0.47 | | | |
| | 9000 | 15.0 | 10.12 | Outboard | 20.4/2.32/0.74 | Dual/2.87 | 81.6 | 366.6 |
| | | | | Inboard | 20.4/2.32/0.74 | | | |
| Rear Disc | 12,000/13,500/ 15,000 | 15.55 | 10.62 | Outboard | 13.9/1.81/0.47 | Dual/2.36 | 55.6 | 361.9 |
| | | | | Inboard | 13.9/1.81/0.47 | | | |
| | 17,500 | 15.0 | 10.12 | Outboard | 20.4/2.32/0.49 | Dual/2.60 | 81.6 | 366.6 |
| | | | | Inboard | 20.4/2.32/0.49 | | | |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Brake Master Cylinder Specifications

2017 F-350/F-450/F-550 Super Duty Chassis Cabs



| Type | Usage (lbs.) | Bore Dia. (in.) |
|---|---|---|
| Dual System, Dash-mounted | 16,000, 18,000 GVWR | 1.375 |
| | 20,500, 22,000, 24,000, 26,000 GVWR | 2.0 |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Brake Booster Specifications

2017 F-350/F-450/F-550 Super Duty Chassis Cabs



| Make/Type | Usage (lbs.) | Booster Type | Boost Ratio |
|---|---|---|---|
| Dash-mounted | 16,000, 18,000 GVWR | Hydro Boost | 8.19 |
| | 20,500, 22,000, 24,000, 26,000 GVWR | Hydro Max | 21.1 |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Cooling System Specifications

2017 F-350/F-450/F-550 Super Duty Chassis Cabs



| Engine | Cooling | Trans. Usage | Radiator | | | | | | | | Fan Specifications | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Frontal Area (sq. in.) | Core Size (in.) | | | Rows of Tubes | Fins Per Inch | Cooling System Capacity qts. (liters) | In-Tank Trans Cooler | Type | No. of Blades | Blade Dia. (in.) |
| | | | | Height | Width | Thick. | | | | | | | |
| 6.8L (415) 3V SEFI V10 | Std | All | 857 | 28.4 | 30.19 | 1.42 | 1 | 17.8 | 27.5 (26) | Std | Plastic | 8 | 20.0 |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Auxiliary Automatic Transmission Oil Cooler Applications

2017 F-350/F-450/F-550 Super Duty Chassis Cabs



| Engine | Transmission | Cooler — No. of Plates |
|---|---|---|
| 6.8L (415) 3V SEFI V10 | 5-speed Automatic Overdrive | 33 |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Fuel System Data

2017 F-350/F-450/F-550 Super Duty
Chassis Cabs



| | |
|---|---|
| Electronic Fuel Injection | Sequential Multiport Fuel Injection |
| Fuel Pump | Single Electric-in-tank High Pressure |
| Fuel Filter | In-tank Large Capacity (One) |
| Air Cleaner | Dry Element, Replaceable |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Steering Specifications

2017 F-350/F-450/F-550 Super Duty
Chassis Cabs



| Wheelbase (in.) | Power Steering(1) | Turning Diameter (ft.) |
|---|---|---|
| | Gear Ratio | Curb-to-Curb |
| 158.0 | 18.4:1 | 45.4 |
| 178.0 | 18.4:1 | 49.7 |
| 190.0 | 18.4:1 | 52.2 |
| 208.0 | 18.4:1 | 56.1 |

(1) Power Steering Fluid Cooler is standard.

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Frame Specifications

2017 F-350/F-450/F-550 Super Duty
Chassis Cabs



| Wheelbase (in.) | No. of Crossmembers | Maximum Side Rail Section (Height x Width x Thickness) (in.)(1) | Section Modulus (cu. in.) | Yield Strength (psi) |
|---|---|---|---|---|
| 158.0 | 8 | 9.16x3.00x0.25 | 9.46 | 36,000 |
| 178.0 | 8 | 9.16x3.00x0.25 | 9.46 | 36,000 |
| 190.0 | 8 | 9.16x3.00x0.25 | 9.46 | 36,000 |
| 208.0 | 9 | 9.16x3.00x0.25 | 9.46 | 36,000 |

(1) Measured to inside of metal.

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Shock Absorber Specifications

2017 F-350/F-450/F-550 Super Duty
Chassis Cabs



| Type | Usage | Front | | | Rear | | |
|---|---|---|---|---|---|---|---|
| | | No. Used | Piston Dia. (in.) | Type | No. Used | Piston Dia. (in.) | Type |
| Sachs Twin-Tube | Std. | 2 | 2.20 | Gas-pressurized | 2 | 2.20 | Gas-pressurized |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Spring Specifications — Front Leaf

2017 F-350/F-450/F-550 Super Duty Chassis Cabs



| Combined Rating @ Ground (lbs.) | Number of Leaves | Total Thickness (in.) | Length (in.) | Width (in.) | Deflection Rate(1) (lbs. per in./spring) |
|---|---|---|---|---|---|
| 6500 | 2 | 2.73 | 63.00 | 4.00 | 510 |
| 8000 | 2 | 2.73 | 63.00 | 4.00 | 585 |

(1) Single-stage, constant rate springs.

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Spring Specifications — Rear Leaf

2017 F-350/F-450/F-550 Super Duty Chassis Cabs



| Combined Rating @ Ground (lbs.) | Number of Leaves | Total Thickness (in.) | Overall Length (in.) | Width (in.) | Deflection Rate(1) (lbs. per in./spring) |
|---|---|---|---|---|---|
| 12,000 | 2 | 3.82 | 64.0 | 4.00 | 1425 |
| 15,000 | 3 | 3.07 | 64.0 | 4.00 | 1850 |

(1) Single-stage constant rate springs.

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Tire Specifications

2017 F-350/F-450/F-550 Super Duty
Chassis Cabs



| Size | Tread Type & Sidewall | Tire Manufacturer | Rim Width (in.) | Section Width (in.)(1) | Ply/Load Rating | Inflation Press. (psi) | Load Limits @ Max. Inflation Press. (lbs.) | Static Loaded Radius (in.) | SAE Revolutions per Mile @ 45 mph |
|---|---|---|---|---|---|---|---|---|---|
| 225/70Rx19.5 | Highway-BSW | Continental | 6.0 | 8.22 | 14/G | 85–100(2) | 3640/3490 | 14.96 | 647 |
| 245/70Rx19.5 | Highway-BSW | Goodyear | 6.75 | 9.94 | 12/G | 95(2) | 3890/3655 | 15.30 | 633 |

(1) Tire and rim maximum width.
(2) 16,000 GWR = 85 psi, 19,500 GVWR = 95 psi (front) and 100 psi (rear).

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Wheel Specifications

2017 F-350/F-450/F-550 Super Duty
Chassis Cabs



| Wheel Type | Wheel Size | Nominal Offset (in.) | No. of Studs | Bolt Circle mm (in.) | Max. Wheel Capacity Load (lbs. @ ground) |
|---|---|---|---|---|---|
| Steel | 19.5" x 6.0" RW | 5.35 | 10 | 225 (8.85) | 3750 |
| Steel | 19.5" x 6.75" RW | 5.50 | 10 | 225 (8.85) | 4000 |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

# Automatic Transmission Specifications

2017 F-350/F-450/F-550 Super Duty Chassis Cabs



| Make/Type | 6-Speed TorqShift Double Overdrive Automatic with Tow/Haul Mode |
|---|---|
| Ratios (to 1): | |
| 1st | 3.97 |
| 2nd | 2.31 |
| 3rd | 1.51 |
| 4th | 1.14 |
| 5th | 0.85 |
| 6th | 0.67 |
| Reverse | 3.12 |
| Converter Torque Ratio @ WOT Stall | 1.86 |
| Fluid Capacity (qts.) | 19.0 |
| Gear Set | Spur |
| Oil Cooler | Oil to Air and In-tank |
| Oil Filter | Internal |
| Converter Size & Type | 12" PCM Controlled Clutch Apply |

**NOTE:** For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.